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Type 3 endoleak following chest trauma in a patient with a hybrid replacement of the thoracic aorta

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A 64-year old male patient underwent a frozen elephant trunk and thoracic endovascular aortic repair (TEVAR) in 2010 for a type B aortic dissection. Thrombosis of the false lumen was

documented on angio-CT. In 2014, following chest trauma, he had an enlargement in the false lumen and a type 3 endoleak (Figs. 1A–C; Video 1), treated with another TEVAR (Fig. 2A–C).

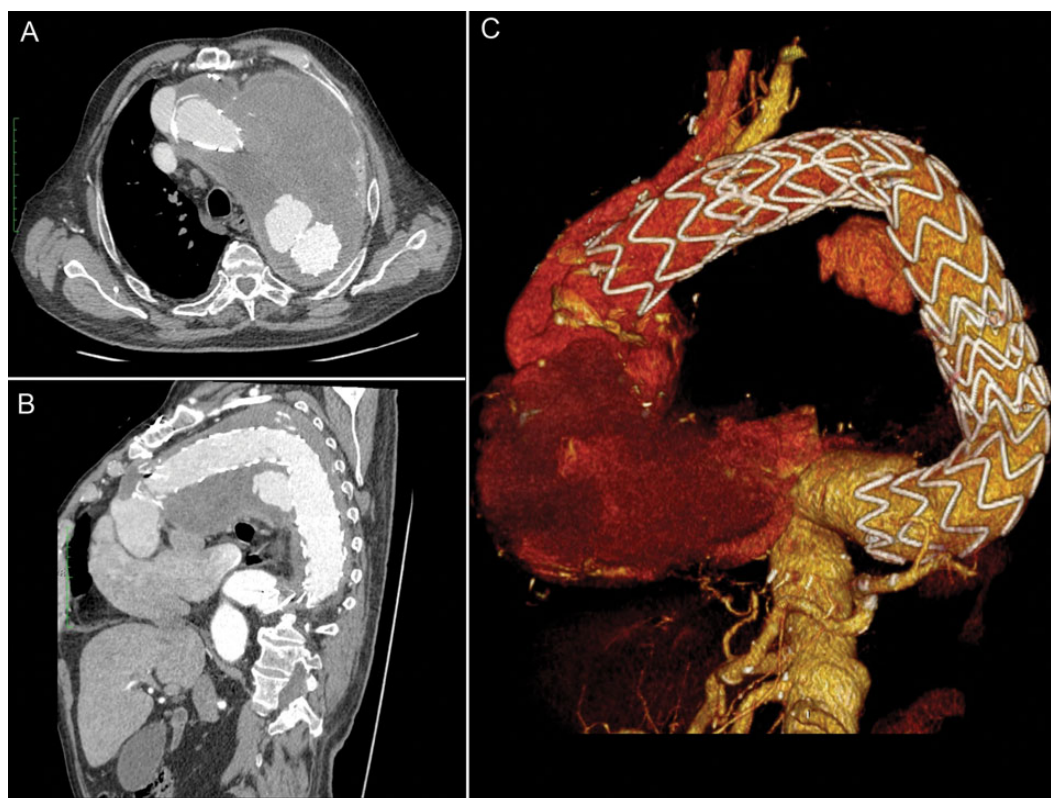


Figure 1: (A–C) Angio-CT revealing the endoleak in the middle of the first thoracic endovascular aortic repair.

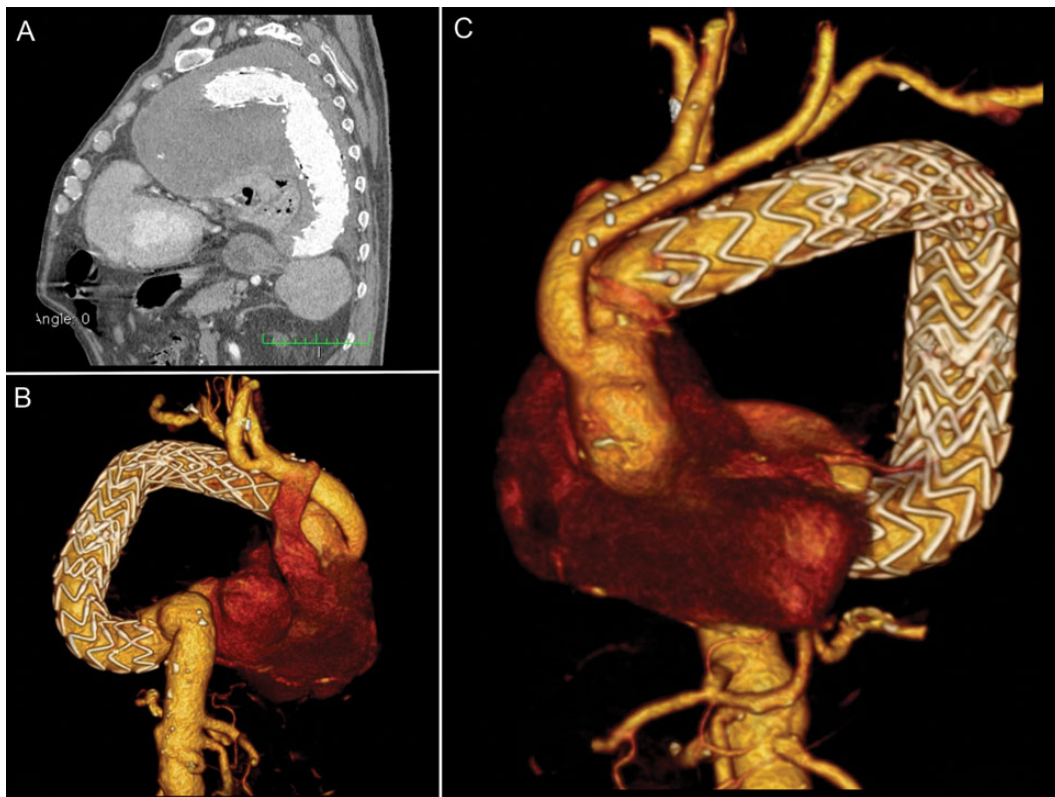


Figure 2: (A–C) Final result after deployment of a new thoracic endovascular aortic repair in the lumen of the affected prosthesis.



Video 1: 3D Reconstruction of the angio-CT showing the type 3 endoleak and the affected prosthesis.